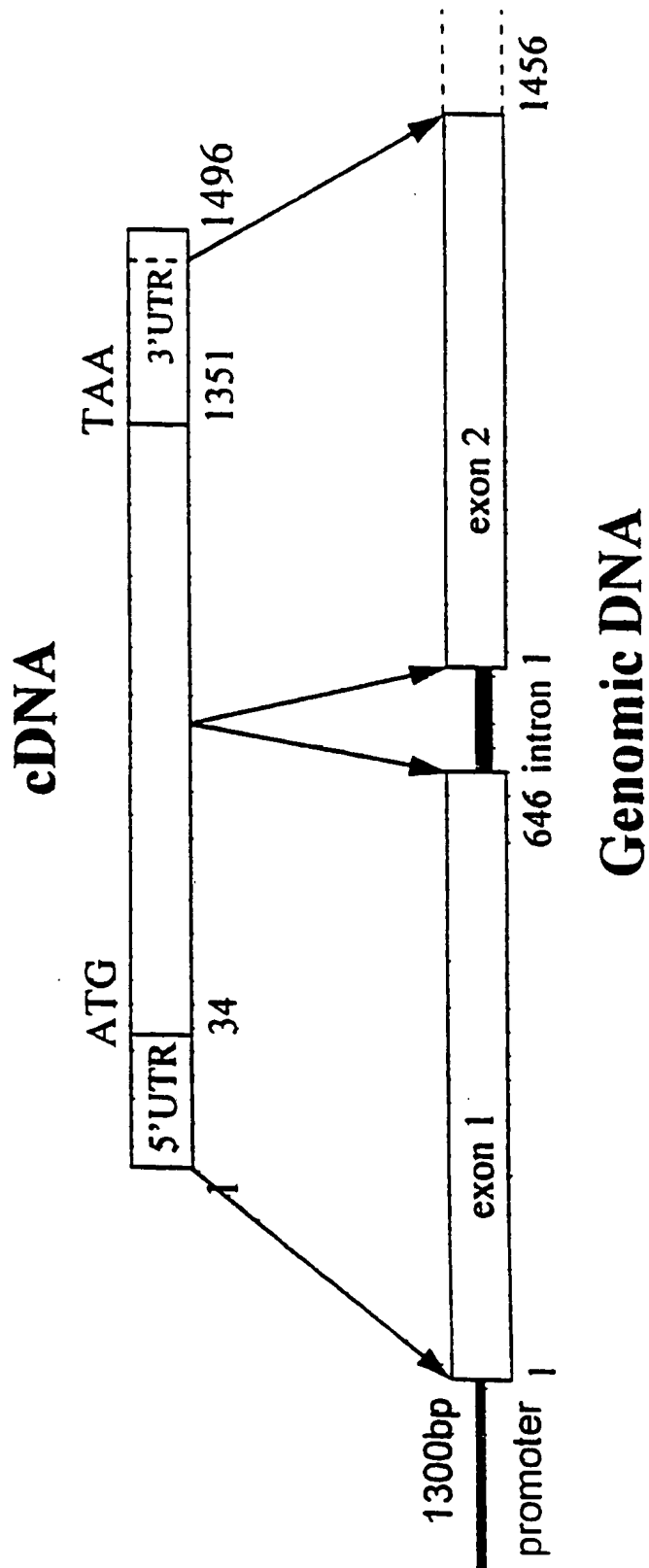


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**FIGURE 1**



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ex-n 1

**FIGURE 2**

MOUSE-X1.DNA	10	20	30	40	50	
HUMAN-X1.DNA	1 ATGAGGCTTC	CTGGTTGGTT	GTGGCTGAGT	TCTGCCGTCC	TCGCTGCCTG	50
MOUSE-X1.DNA	1 ATGAAGCTGG	CTAACTGGTA	CTGGCTGAGC	TCAGCTGTTC	TTGCCACTTA	50
HUMAN-X1.DNA	60	70	80	90	100	
MOUSE-X1.DNA	51 CCGAGC---	G GTGGAGGAGC	ACAACCTGAC	TGAGGGGCTG	GAGGATGCCA	100
HUMAN-X1.DNA	51 CGGTTTTTTG	GTTGTGGCAA	ACAATGAAAC	AGAGGAAATT	AAAGATGAAA	100
MOUSE-X1.DNA	110	120	130	140	150	
HUMAN-X1.DNA	101 GCGCCCAGGC	TGCCTGCCCC	GCGAGGCTGG	AGGGCAGCGG	GAGGTGCGAG	150
MOUSE-X1.DNA	101 GAGCAAAGGA	TGTCTGCCCA	GTGAGACTAG	AAAGCAGAGG	GAAATGCGAA	150
HUMAN-X1.DNA	160	170	180	190	200	
MOUSE-X1.DNA	151 GGGG---GCC	AGTGCCCCCTT	CCAGCTCACC	CTGCCCCACG	TGACCATCCA	200
HUMAN-X1.DNA	151 GAGGCAGGGG	AGTGCCCCCTA	CCAGGTAAGC	CTGCCCCCCT	TGACTATTCA	200
MOUSE-X1.DNA	210	220	230	240	250	
HUMAN-X1.DNA	201 GCTCCCGCGG	CAGCTTGGCA	GCATGGAGGA	GGTGCTCAAA	GAAGTGCGGA	250
MOUSE-X1.DNA	201 GCTCCCGAAG	CAATTGAGCA	GGATCGAGGA	GGTGTTCAAA	GAAGTCCAAA	250
HUMAN-X1.DNA	260	270	280	290	300	
MOUSE-X1.DNA	251 CCCTCAAGGA	AGCAGTGGAC	AGTCTGAAGA	AATCCTGCCA	GGACTGTAAG	300
HUMAN-X1.DNA	251 ACCTCAAGGA	AATCGTAAAT	AGTCTAAAGA	AATCTTGCCA	AGACTGCAAG	300
MOUSE-X1.DNA	310	320	330	340	350	
HUMAN-X1.DNA	301 TTGCAGGCTG	ACGACCATCG	AGATCCCCGGC	GGGAATGGAG	GG-----	350
MOUSE-X1.DNA	301 CTGCAGGCTG	ATGACAACGG	AGACCCAGGC	AGAAACGGAC	TGTTGTTACC	350
HUMAN-X1.DNA	360	370	380	390	400	
MOUSE-X1.DNA	351 -AAT---GGA	GC---AGAGA	CAGCCGAGGA	CAGTAGAGTC	CAGGAAGTGG	400
HUMAN-X1.DNA	351 CAGTACAGGA	GCCCCGGGAG	AGGTTGGTGA	TAACAGAGTT	AGAGAATTAG	400
MOUSE-X1.DNA	410	420	430	440	450	
HUMAN-X1.DNA	401 AGAGTCAGGT	GAACAAGCTG	TCCTCAGAGC	TGAAGAATGC	AAAGGACCAG	450
MOUSE-X1.DNA	401 AGAGTGAGGT	TAACAAGCTG	TCCTCTGAGC	TAAAGAATGC	CAAAGAGGAG	450
HUMAN-X1.DNA	460	470	480	490	500	
MOUSE-X1.DNA	451 ATCCAGGGGC	TGCAGGGGCG	CCTGGAGACG	CTCCATCTGG	TAAATATGAA	500
HUMAN-X1.DNA	451 ATCAATGTAC	TTCATGGTCG	CCTGGAGAAG	CTGAATCTTG	TAAATATGAA	500
MOUSE-X1.DNA	510	520	530	540	550	
HUMAN-X1.DNA	501 CAACATTGAG	AACTACGTGG	ACAACAAAGT	GGCAAATCTA	ACCGTTGTGG	550
MOUSE-X1.DNA	501 CAACATAGAA	AATTATGTTG	ACAGCAAAGT	GGCAAATCTA	ACATTGTGTTG	550
HUMAN-X1.DNA	560	570	580	590	600	
MOUSE-X1.DNA	551 TCAACAGTTT	GGATGGCAAG	TGTTCCAAGT	GTCCCAGCCA	AGAACACATG	600
HUMAN-X1.DNA	551 TCAATAGTTT	GGATGGCAAA	TGTTCAAAGT	GTCCCAGCCA	AGAACAAATA	600
MOUSE-X1.DNA	610	620	630	640	650	
HUMAN-X1.DNA	601 CAGTCACAGC	CGG.....	.....	.....	.....	650
	601 CAGTCACGTC	CAG.....	.....	.....	.....	650

3/24FIGURE 3

Sequence 11599

MOUSE-X2.DNA	1	10	20	30	40	50	
HUMAN-X2.DNA	1	10	20	30	40	50	50
MOUSE-X2.DNA	51	60	70	80	90	100	
HUMAN-X2.DNA	51	60	70	80	90	100	100
MOUSE-X2.DNA	101	110	120	130	140	150	
HUMAN-X2.DNA	101	110	120	130	140	150	150
MOUSE-X2.DNA	151	160	170	180	190	200	
HUMAN-X2.DNA	151	160	170	180	190	200	200
MOUSE-X2.DNA	201	210	220	230	240	250	
HUMAN-X2.DNA	201	210	220	230	240	250	250
MOUSE-X2.DNA	251	260	270	280	290	300	
HUMAN-X2.DNA	251	260	270	280	290	300	300
MOUSE-X2.DNA	301	310	320	330	340	350	
HUMAN-X2.DNA	301	310	320	330	340	350	350
MOUSE-X2.DNA	351	360	370	380	390	400	
HUMAN-X2.DNA	351	360	370	380	390	400	400
MOUSE-X2.DNA	401	410	420	430	440	450	
HUMAN-X2.DNA	401	410	420	430	440	450	450
MOUSE-X2.DNA	451	460	470	480	490	500	
HUMAN-X2.DNA	451	460	470	480	490	500	500
MOUSE-X2.DNA	501	510	520	530	540	550	
HUMAN-X2.DNA	501	510	520	530	540	550	550
MOUSE-X2.DNA	551	560	570	580	590	600	
HUMAN-X2.DNA	551	560	570	580	590	600	600
MOUSE-X2.DNA	601	610	620	630	640	650	
HUMAN-X2.DNA	601	610	620	630	640	650	650
MOUSE-X2.DNA	651	660	670	680	690	700	
HUMAN-X2.DNA	651	660	670	680	690	700	700
MOUSE-X2.DNA	701	710	720	730	740	750	
HUMAN-X2.DNA	701	710	720	730	740	750	750

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10 20 30 40 50 60  
 ATCACTCTGT TCATTCCTCC AGGTATTCGT TATCTAATAG GGCAATTAAAT TCCTTCAGCA  
 70 80 90 100 110 120  
 CTTTAGAATA TGCCTTGTTT CATATTTTTC ATAGCTAAAA AATGCCTTGT TTCATATTTT  
 130 140 150 160 170 180  
 TCATAGCTAA AAAATGATGT CTGACGGCTA GGTTCTTATG CTACACAGCA TTTGAAATAA  
 190 200 210 220 230 240  
 AGCTGAAAAA CAATGCATTT TAAAGGAGTC CTTTGTGTGT ATGCTGTTAT CCAATGAACA  
 250 260 270 280 290 300  
 CTTGCAAGCA ATTAGCAATA TTGAGAATTA TACATTAGAT TTACAATTCT TTTAATTTCT  
 310 320 330 340 350 360  
 ATTGAAACTT TTTCTATTGC TTGTATTACT TGCTGTATTT AAAAAATAAT TGTTGGCTGG  
 370 380 390 400 410 420  
 GTGTGGTAGC TCACGCCTGT AATNCCAGCA CTTTGGGAATG TCAAGGCAGG CAGATCACTT  
 430 440 450 460 470 480  
 GAGGTCAGGA GTTTGAGACC AGCCTGGCCA AACATGTGAA ACGCTGTNTN TATTAAAAAT  
 490 500 510 520 530 540  
 ACAAAAAATTA GCCGGGCATG GTGGNACATG CCTGTAATCC TAGNTACTTG GGAGGCTGAG  
 550 560 570 580 590 600  
 GCAGGAGAAAT CGCTTGAACC TGAGAGGAAG AGGTTGCAGT GAGCCAAAGAA TGAGCCACTG  
 610 620 630 640 650 660  
 CACTCCAGCA TGGGTGACAG AGAAAACTCT GTCTCAAACA AAAAAATAAT AAAATTTATT  
 670 680 690 700 710 720  
 CAGTAGGNTG GATTCTACAC AAAGTAATCT GTATTTGGGC CATGATTTAA GCACATCTGA  
 730 740 750 760 770 780  
 AGGTATATCA CTCTTTTCAG GCTATAATTA TTTGGGTAAT CTTCAATCTG AGACAAACTT  
 790 800 810 820 830 840  
 AATCTATATC ATTTACTTTG CAACAGAACA ACCCTACAGC ATTTTGGTTC CCAGACTAAG  
 850 860 870 880 890 900  
 GGAACTAATA TCTATATAAT TAAACTTGTT CATTTATCAT TCATGAAATA TAAAATCTT  
 910 920 930 940 950 960  
 GTCATTTAAA CCGTTTAAAA ATGTGGTAGC ATAATGTCAC CCCAAAAAGC ATTCAGAAAG  
 970 980 990 1000 1010 1020  
 CAATGTAACT GTGAAGACCA GGGTTTAAAG GTAATTCATT TATAGTTTAT AACTCCTTAG  
 1030 1040 1050 1060 1070 1080  
 ATGTTTGATG TTGAAAAC TG CTTTAACATG AA.....

3'UTR of hfg12. The A at position 1 corresponds to position 1354 on the cDNA.

FIGURE 4

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## FIGURE 5

0044343-4460

MOUSEPRO.AMI	10	20	30	40	50	
HUMANPRO.AMI	1	1	1	1	1	50
MOUSEPRO.AMI	60	70	80	90	100	
HUMANPRO.AMI	51	51	51	51	51	100
MOUSEPRO.AMI	110	120	130	140	150	
HUMANPRO.AMI	101	101	101	101	101	150
MOUSEPRO.AMI	160	170	180	190	200	
HUMANPRO.AMI	151	151	151	151	151	200
MOUSEPRO.AMI	210	220	230	240	250	
HUMANPRO.AMI	201	201	201	201	201	250
MOUSEPRO.AMI	260	270	280	290	300	
HUMANPRO.AMI	251	251	251	251	251	300
MOUSEPRO.AMI	310	320	330	340	350	
HUMANPRO.AMI	301	301	301	301	301	350
MOUSEPRO.AMI	360	370	380	390	400	
HUMANPRO.AMI	351	351	351	351	351	400
MOUSEPRO.AMI	410	420	430	440	450	
HUMANPRO.AMI	401	401	401	401	401	450

**FIGURE 6**

		10	20	30	40	50	
MOUSEPRO.AMI	1	MRLPGWLWLS	SAVLAACR-A	VEEHNLTGL	EDASQAACP	ARLESGRCE	50
HUMANPRO.AMI	1	MKLANWYWLS	SAVLATYGFL	VVANNETEEI	KDERAKDVCP	VRLESRGKCE	50
		60	70	80	90	100	
MOUSEPRO.AMI	51	-GSQCPFQLT	LPTLTIQLP	QLGSMEEVLK	EVRTLKEAVD	SLKKSCQDCK	100
HUMANPRO.AMI	51	EAGECPYQVS	LPPLTIQLPK	QFSRIEEVFK	EVQNLKEIVN	SLKKSCQDCK	100
		110	120	130	140	150	
MOUSEPRO.AMI	101	LQADDDHRDPG	GNG-----GN	GAETAEDSRV	QELESQVNKL	SSELKNAQDK	150
HUMANPRO.AMI	101	LQADDNGDPG	RNGLLLPSTG	APGEVGDNRV	RELESEVNKL	SSELKNAKEE	150
		160	170	180	190	200	
MOUSEPRO.AMI	151	IQGLQGRLET	LHLVNMNIE	NYVDNKVANL	TVVNSLDGK	CSKCPSQEHM	200
HUMANPRO.AMI	151	INVLHGRLEK	LNLVNMNIE	NYVDSKVANL	TFVNSLDGK	CSKCPSQEQI	200
		210	220	230	240	250	
MOUSEPRO.AMI	201	QSQPVQHLYI	KDCSDHYVLG	RRSSGAYRVT	PDHRNSSFEV	YCDMETMGGG	250
HUMANPRO.AMI	201	QSRPVQHLYI	KDCSDYYAIG	KRSSETYRVT	PDPKNSSFEV	YCDMETMGGG	250
		260	270	280	290	300	
MOUSEPRO.AMI	251	WTVLQARLDG	STNFTREWKD	YKAGFGNLER	EFWLGNDKIH	LLTKSKEMIL	300
HUMANPRO.AMI	251	WTVLQARLDG	STNETRTWQD	YKAGFGNLRR	EFWLGNDKIH	LLTKSKEMIL	300
		310	320	330	340	350	
MOUSEPRO.AMI	301	RIDLEDFNGL	TLYALYDQFY	VANEFLKYRL	HIGNYNGTAG	DALRFSRHYN	350
HUMANPRO.AMI	301	RIDLEDFNGV	ELYALYDQFY	VANEFLKYRL	HVGNYNGTAG	DALRFNKHYN	350
		360	370	380	390	400	
MOUSEPRO.AMI	351	HDLRFFFTPD	RDNDRYPSGN	CGLYYSSGWW	FDSCLSANLN	GKYYHQYKYG	400
HUMANPRO.AMI	351	HDLKFFFTPD	KDNDRYPSGN	CGLYYSSGWW	FDACLSANLN	GKYYHQYKYG	400
		410	420	430	440	450	
MOUSEPRO.AMI	401	VRNGIFWGTW	PGINQAQPGG	YKSSFKQAKM	MIRPKNFKP*	.....	450
HUMANPRO.AMI	401	VRNGIFWGTW	PGVSEAHPGG	YKSSFKQAKM	MIRPKHFKP*	.....	450

**FIGURE 7**

**0907-1106**

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## FIGURE 8

		10	20	30	40	50	
MOUSEPRO. DNA	1	TCGGTTTGGG	TATCATGGGA	TG-GAATGAG	AAGGGA-AAG	TAGGAGCCCCG	50
HUMANPRO. DNA	1	TAGGGTTTGGG	AGCCAGGTCT	CCTGAGTATG	CGAGAATAAA	TACAGTCATG	50
		60	70	80	90	100	
MOUSEPRO. DNA	51	AGAGTGC	CGGT AAGACAA--G	GCATAAGGCG	TGTCTGACAA	ATTCTTCATA	100
HUMANPRO. DNA	51	GAAGTGTAAA	GAGTCTGCCA	ACATTTTGAG	AATGTGAATA	GGATTGGC-	100
		110	120	130	140	150	
MOUSEPRO. DNA	101	CACACATTC	CCCTTTGCAC	ATTCAGTCTG	TATAGGTTAT	TTCTATAGGA	150
HUMANPRO. DNA	101	TA-AAATTAA	GGGGATATAC	AGAAAAGTCA	TAGGAAATCA	GGTTAAAGAC	150
		160	170	180	190	200	
MOUSEPRO. DNA	151	GAATAAATAT	ATTCAAATTC	CTTGTGCACT	G-GTAACAGG	CATGAAGGCT	200
HUMANPRO. DNA	151	ATAAATATGA	GATAGGCTAC	AGAGTGT	TTT AAGTAATACA	ATAAACATT	200
		210	220	230	240	250	
MOUSEPRO. DNA	201	CAGCAAAGCC	AATACGTGTT	ATGTCCAGTT	GGAGACAGTG	CCAGGGCCAA	250
HUMANPRO. DNA	201	TAG--ATTT	TGCCCCATGTC	A-GTCATTTT	GAAATTATTT	TAAAGCAAA	250
		260	270	280	290	300	
MOUSEPRO. DNA	251	CATTCCAGAC	TTCTCAGATA	GAAAGTGC	CGTGCCTGCCC	-TGCTCTGAG	300
HUMANPRO. DNA	251	AAAACC---C	TTTTTAAACA	AGAAATCTTA	TGAGATGTCA	ATATGCAAAA	300
		310	320	330	340	350	
MOUSEPRO. DNA	301	--AATTTGAA	GAGAGTAGTT	C---AGTTA	GAATTAAGAG	GCAGTAGAGA	350
HUMANPRO. DNA	301	CAAATTAATA	GGAGGTGTT	TCTCTAACTG	AAGCTGTTCC	TCTTCTCTGC	350
		360	370	380	390	400	
MOUSEPRO. DNA	351	AA--AGTCTT	GGGAAATCTG	GTTAGAGA--	TATAAATATG	AGAAGTGGAC	400
HUMANPRO. DNA	351	CTTCAGCCTC	TGAAGAGAAA	GTTAGAAAC	TATTATCATT	AATGCTACAT	400
		410	420	430	440	450	
MOUSEPRO. DNA	401	ATGGTGTTAC	ACACCTGTGA	TCTCTGTGTT	TAGGAGGGAG	AGGCAGAGAG	450
HUMANPRO. DNA	401	GTTTTGA-AC	AAGCTGATAT	ACCAAGTGGC	CCAGAGAGC-	AGGTAGAAGA	450
		460	470	480	490	500	
MOUSEPRO. DNA	451	ATCAGGAGTT	CAAGGCCAGC	CTGAGCTACT	TGAGACCCAG	TCTAAATAAA	500
HUMANPRO. DNA	451	ACCAGCG---	TGGAGACAGA	--AAGCAA--	-GAGGCCC-G	CCTGCCAGGG	500
		510	520	530	540	550	
MOUSEPRO. DNA	501	TAAGAGATAG	ATTACAGAGT	GCCTTTAACT	AGTACAGAGA	AAGAATTTGG	550
HUMANPRO. DNA	501	CTACCTGCAG	AA-AGAAAGG	GCAAAGATGC	TGTAGGCAAG	AGAAGTTCAG	550
		560	570	580	590	600	
MOUSEPRO. DNA	551	GTTTATCTGT	GTCAGTTACG	CTGAAATAAT	TTTAAAGTAA	TAAATCCCT	600
HUMANPRO. DNA	551	GACAGACACT	GGCA--TA-G	CTCAA--GAT	TCACATTGA	GCAG-----C	600
		610	620	630	640	650	
MOUSEPRO. DNA	601	TTTAATAAGA	AACCTTATGA	G-GTCAGTAT	GCACAATGAA	CTTAAGAGAG	650
HUMANPRO. DNA	601	TGTGGAAGAT	GACAGTACAA	TTACCAAAAT	GT-CGAAGGG	C--AAAGGAG	650
		660	670	680	690	700	
MOUSEPRO. DNA	651	ACCCCCAGCT	CCTGAGCTGA	GTGATGGGGA	AGGACAGCCA	CTGCCTGTGA	700
HUMANPRO. DNA	651	GC-----AGCT	ACTGGTTT--	-TGATG---A	AAGACAATTA	TGTCCTTT--	700
		710	720	730	740	750	
MOUSEPRO. DNA	701	TGTGTGAGTG	ACGTGCTTCC	AAGTGTTTTA	ACCACTGACG	ATTACATAGC	750
HUMANPRO. DNA	701	TAAATGGGTC	TTAGACATT	AGACATTTAT	AT-AC--ACT	ATGCTACGGA	750
		760	770	780	790	800	
MOUSEPRO. DNA	751	CTGCACAGTC	AGGAGAAAC	AGCCGTATTC	TCTGCCAGTT	CTCTTCCCTT	800
HUMANPRO. DNA	751	CAAAGGAAT-	AGAAAGTAGC	A-CTTTTTTC	TCCACTAGTT	TTCTTCTCTT	800
		810	820	830	840	850	
MOUSEPRO. DNA	801	TTACAAACAG	ATGAGAGACA	CACACAGAGA	ATCCATTAA	AGAGCGGACC	850
HUMANPRO. DNA	801	TTTCAAGTAG	ATGAAGCAAA	AGT-CAACTG	CAATAGTCAG	AAAGCTGTAC	850
		860	870	880	890	900	



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FIGURE 8 cont'd

0044344500

MOUSEPRO.DNA	851	TTTGTCTGA	TTAGGGGCAA	TTTTAAGTAC	TTAAGAGTTC	ACACAAAGTC	900
HUMANPRO.DNA	851	TTTGTACAC	TTAGAAACTT	CTAAAAGTGC	TTAAGATTTC	ACCTGAAAGT	900
		910	920	930	940	950	
MOUSEPRO.DNA	901	TAGCCTTCAA	AAAGAAAACA	GGTTCCCAAA	----CTA---	-GGGAGGAAA	950
HUMANPRO.DNA	901	CCAACAT-GA	AGAAAATACA	GGCTCCCCAA	TGCCCCATTG	TAAGAAGAAA	950
		960	970	980	990	1000	
MOUSEPRO.DNA	951	CAGAATCATT	TCCATTTTGG	TGACATTTA-	GTGGGAAGAA	GCTCACAGAC	1000
HUMANPRO.DNA	951	AAGGACCATT	TTCATTTTAG	TAACGTTTCT	GTTCTATAGA	CAGTTTGGAT	1000
		1010	1020	1030	1040	1050	
MOUSEPRO.DNA	1001	ATTTAGACGT	TCCAACCTCT	TCCCCACTAG	TG-----G	ACCAAGT-AT	1050
HUMANPRO.DNA	1001	AACTAGCTCT	TACTTTTAT	CTTTAAAAAC	TGTTTTTCCA	GTGAAGTTAC	1050
		1060	1070	1080	1090	1100	
MOUSEPRO.DNA	1051	ATAATATGGT	ATCTTTTGGG	CACTGGTATT	ACAA-CTGTT	TTTTAAACAA	1100
HUMANPRO.DNA	1051	GTATAATTAT	TTACTTCAAG	CG-TAGTATA	CCAAATTACT	TTAGAAATGC	1100
		1110	1120	1130	1140	1150	
MOUSEPRO.DNA	1101	AAGACTTTCC	TTGTGCTTTA	CTAAAAAC-C	CA-GACGGTG	AATCTTGAAT	1150
HUMANPRO.DNA	1101	AAGACTTTTC	TTATACTTCA	TAAAATACAT	TATGAAAGTG	AATCTTG--T	1150
		1160	1170	1180	1190	1200	
MOUSEPRO.DNA	1151	ACAATGCGTG	GCACCCACGG	CAGGCATTCT	ATTGTGCATA	GTTTTGACTG	1200
HUMANPRO.DNA	1151	TGGCTGTGTA	CATTTGACTA	TAATAATTTC	AATGCATATT	ATTTCTATTG	1200
		1210	1220	1230	1240	1250	
MOUSEPRO.DNA	1201	ACAGGAGATG	ACAGCATTG	GCTGGCTGCG	CTTGCTGAGG	ACCCTCTCCT	1250
HUMANPRO.DNA	1201	AGAGTAAGTT	ACAGTTTTTG	GCAAACGCG	TTTGATGAGG	GCTATCTCCT	1250
		1260	1270	1280	1290	1300	
MOUSEPRO.DNA	1251	CCTG-TGTG-	GCGTCTGAGA	CT-GTGATGC	AAATGCGCCC	GCCCTTTTCT	1300
HUMANPRO.DNA	1251	CTTCCTGTGC	GTTTCTAAAA	CTTGTGATGC	AAACGCTCCC	ACCCTTTTCT	1300
		1310	1320	1330	1340	1350	
MOUSEPRO.DNA	1301	GGGAACCTCAG	AACGCCTGAG	TCAGGCGGCG	GTGGCTATTA	AAGCG-----	1350
HUMANPRO.DNA	1301	GGGAACACAG	AAAGCCTGAC	TCAGGCCATG	GCCGCTATTA	AAGCAGCTCC	1350
		1360	1370	1380	1390	1400	
MOUSEPRO.DNA	1351	---CCTGGTC	AG-----GCT	GGGCT-GCCG	CACTGCAAGG	ATG.....	1400
HUMANPRO.DNA	1351	AGCCCTGCGC	ACTCCCTGCT	GGGTGAGCAG	CACTGTAAAG	ATG.....	1400

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**FIGURE 9**

10 20 30 40 50  
 TAGGGTTGGAAGCCAGGTCTCCTGAGTATGCGAGAATAAATACAGTCATG  
 60 70 80 90 100  
 GAAGTGTAAGAGTCTGCCAACATTTTGAGAATGTGAATAGGATTTGGCT  
 110 120 130 140 150  
 AAAATTAAGGGGATATACAGAAAAGTCATAGGAAATCAGGTTAAAGACAT  
 TCF1 PEA3  
 160 170 180 190 200  
 AAATATGAGATAGGCTACAGAGTGTTTTAAAGTAATACAATAAAACATTTA  
 GATA1 NF IL6  
 210 220 230 240 250  
 GATTTTGGCCCATGTCAGTCATTTTGAAATTATTTTAAAGCAAAAAAAC  
 NF IL6  
 260 270 280 290 300  
 CCTTTTTAAACAAGAAATCTTATGAGATGTCAATATGCAAAACAAATTAA  
 310 320 330 340 350  
 AAGGAGGTGGTTTCTCTAACTGAAGCTGTTTCCTCTTTCCTGCCTTCAGCC  
 TCF1  
 360 370 380 390 400  
 TCTGAAGAGAAAGTTAGAAAATATTATCATTAAATGCTACATGTTTTGAA  
 NF\_E1  
 410 420 430 440 450  
 CAAGCTGATATACCAAGTGGCCAGAGAGCAGGTAGAAGAACCAGCGTGG  
 bHLH  
 460 470 480 490 500  
 AGACAGAAAGCAAGAGGCCCGCCTGCCAGGGCTACCTGCAGAAAGAAAGG  
 NF IL6  
 510 520 530 540 550  
 GCAAAGATGCTGTAGGCAAGAGAAGTTCAGGACAGACACTGGCATAGGTC  
 TCF1  
 560 570 580 590 600  
 AAAGATTACATTTGAGCAGCTGTGGAAGATGACAGTACAATTACCAAAA  
 TCF1 bHLH bHLH  
 E2A  
 610 620 630 640 650  
 TGTCGAAGGGCAAAGGAGGCAGCTACTGGTTTGTGATGAAAGACAATTATG  
 TCF1 NF IL6  
 660 670 680 690 700  
 TCCTTTTAAATGGGTCTTAGACATTTAGACATTTATATACACTATGCTAC  
 710 720 730 740 750  
 GGACAAAGGAATAGAAAGTAGCACTTTTTCTCCACTAGTTTTCTTCTCT  
 TCF1  
 760 770 780 790 800  
 TTTTCAAGTAGATGAAGCAAAAGTCAACTGCAATAGTCAGAAAGCTGTAC  
 TCF1 bHLH

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FIGURE 9 CONT'D

810 820 830 840 850  
 TTTGTTACACTTAGAACTTCTAAAAAGTGCTTAAGATTTCACCTGAAACG  
 TCF1 BHLH  
 860 870 880 890 900  
 CCAACATGAAGAAAATACAGGCTCCCCAATGCCCCATTCTAAGAAGAAAA  
 910 920 930 940 950  
 AGGACCATTTTCATTTTAGTAACGTTTCTGTTCTATAGACAGTTTGGATA  
 960 970 980 990 1000  
 ACTAGCTCTTACTTTTTATCTTTAAAAACTGTTTTTCCAGTGAAAGTTACG  
 1010 1020 1030 1040 1050  
 TATAATTATTTACTTCAAGCGTAGTATACCAAATTACTTTAGAAATGCAA  
 NF IL6  
 1060 1070 1080 1090 1100  
 GACTTTTCTTATACTTCATAAAATACATTATGAAAGTGAATCTTGTTGGC  
 NF IL6  
 1110 1120 1130 1140 1150  
 TGTGTACATTGACTATAATAATTTCAATGCATATTATTTCTATTGAGAG  
 BHLH  
 1160 1170 1180 1190 1200  
 TAAGTTACAGTTTTTGGCAAACCTGCGTTTGATGAGGGCTATCTCCTCTTC  
 1210 1220 1230 1240 1250  
 CTGTGCGTTTCTAAAACTTGTGATGCAAACGCTCCCACCCTTTCCTGGGA  
 AABS  
 1260 1270 1280 1290 1300  
 ACACAGAAACGCTGACTCAGGCACGTGCCGCTATTAAAGCAGCTCCAGCC  
 +1 AP 1 BHLH TATA box  
 1310 1320 1330  
 CTGCGCACTCCCTGCTGGGTGAGCAGCACTGTAAAGATG

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66511-CH2460

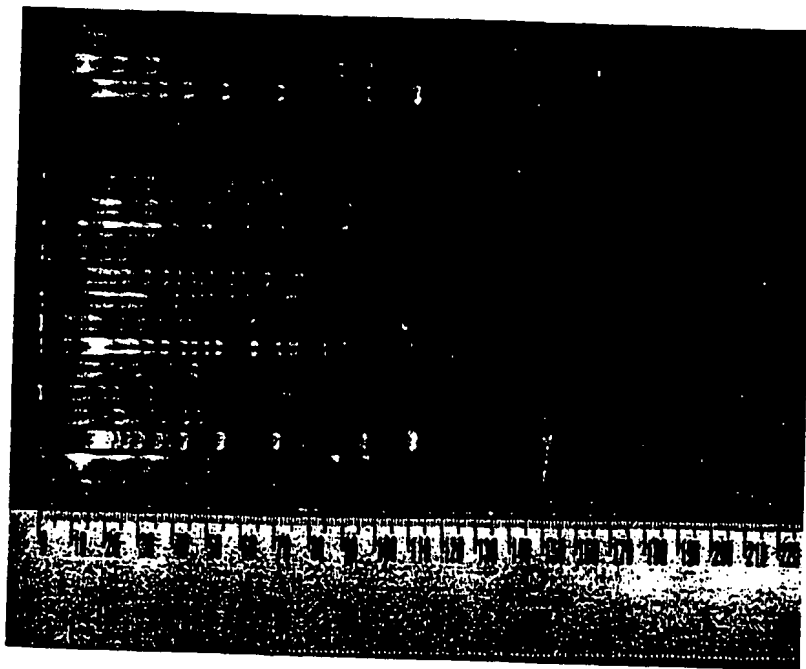


FIGURE 10B

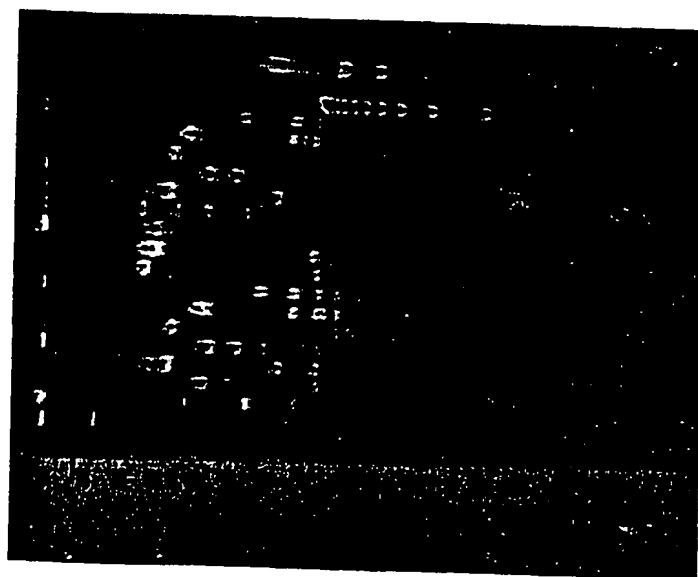
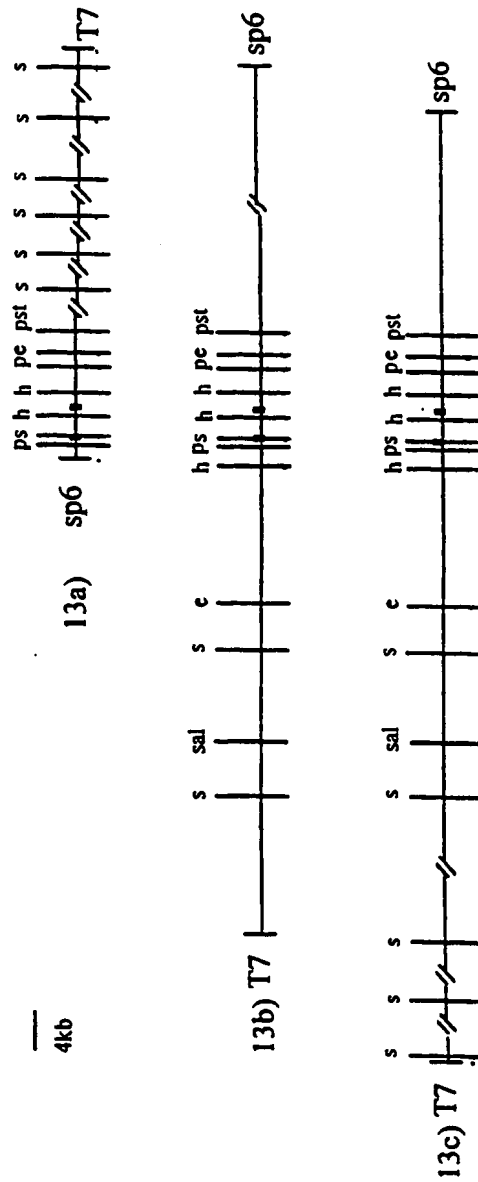


FIGURE 10A

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565111 24121150

**FIGURE 11**



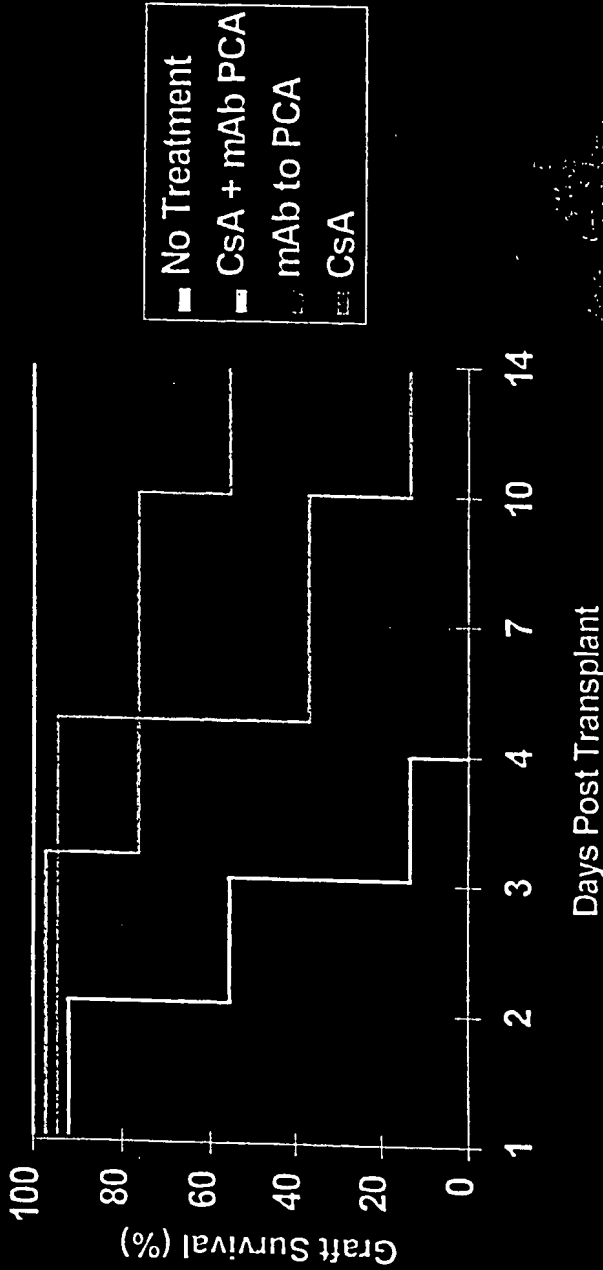
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665111-27127160

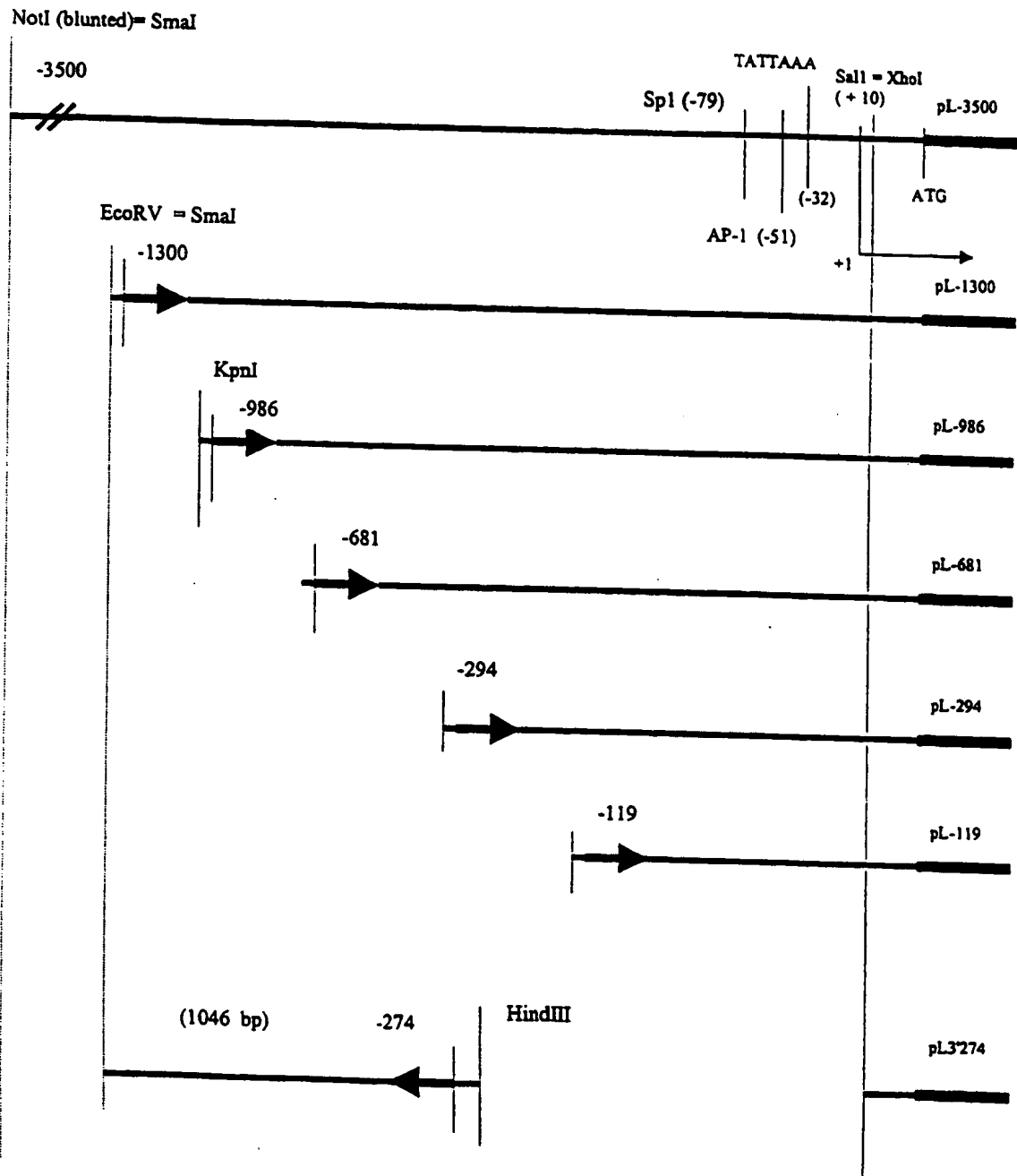
**FIGURE 12**

**Prevention of CsA Graft Rejection by CsA Alone or in Combination with Antibodies to Immune Coagulants**

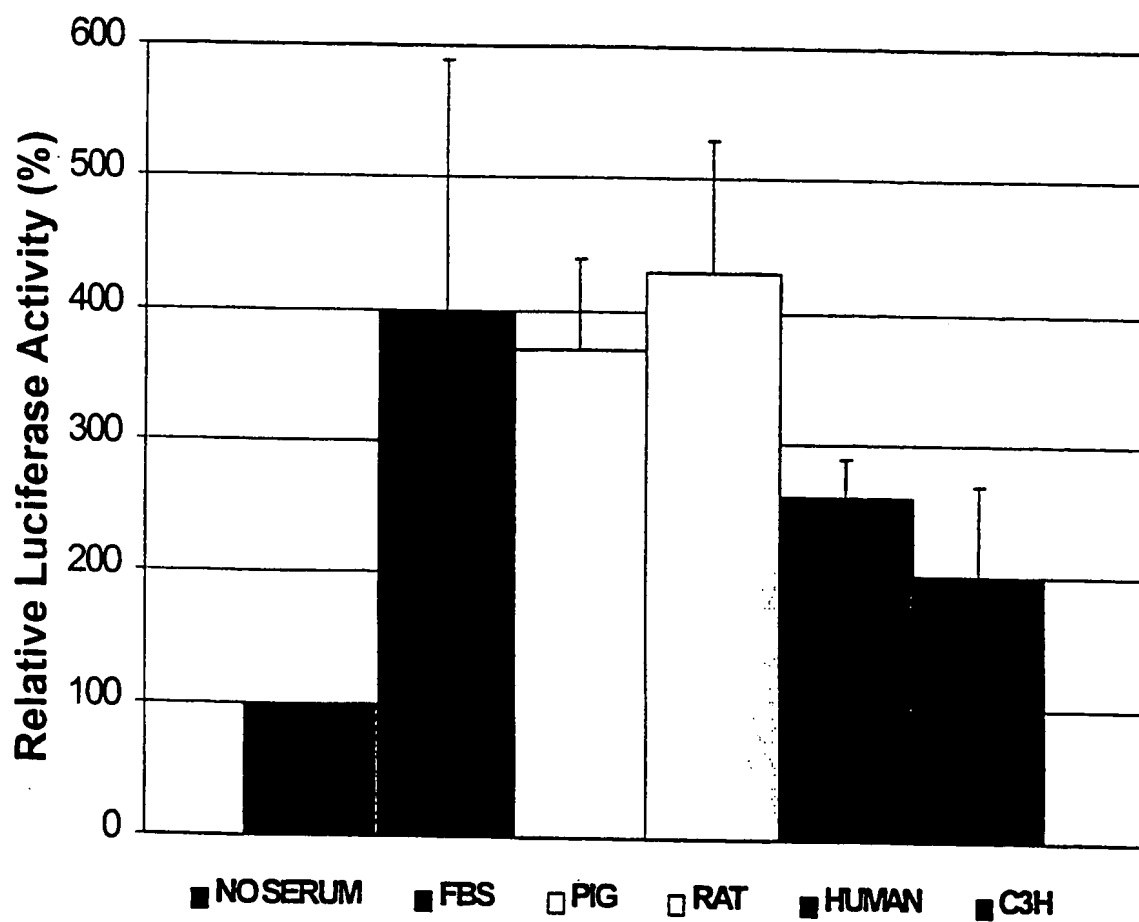
Xenotransplantation Canada



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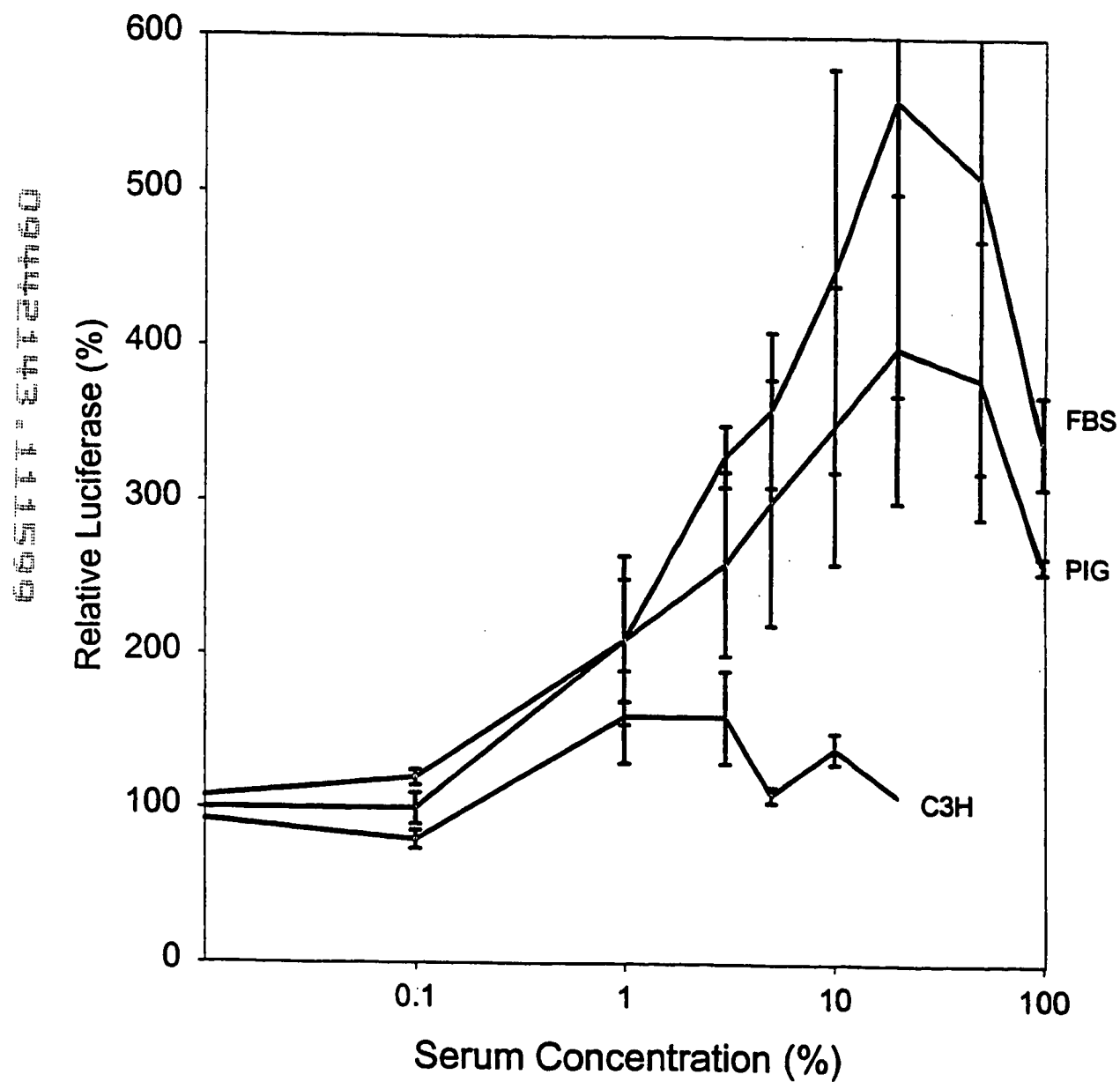
**FIGURE 13**

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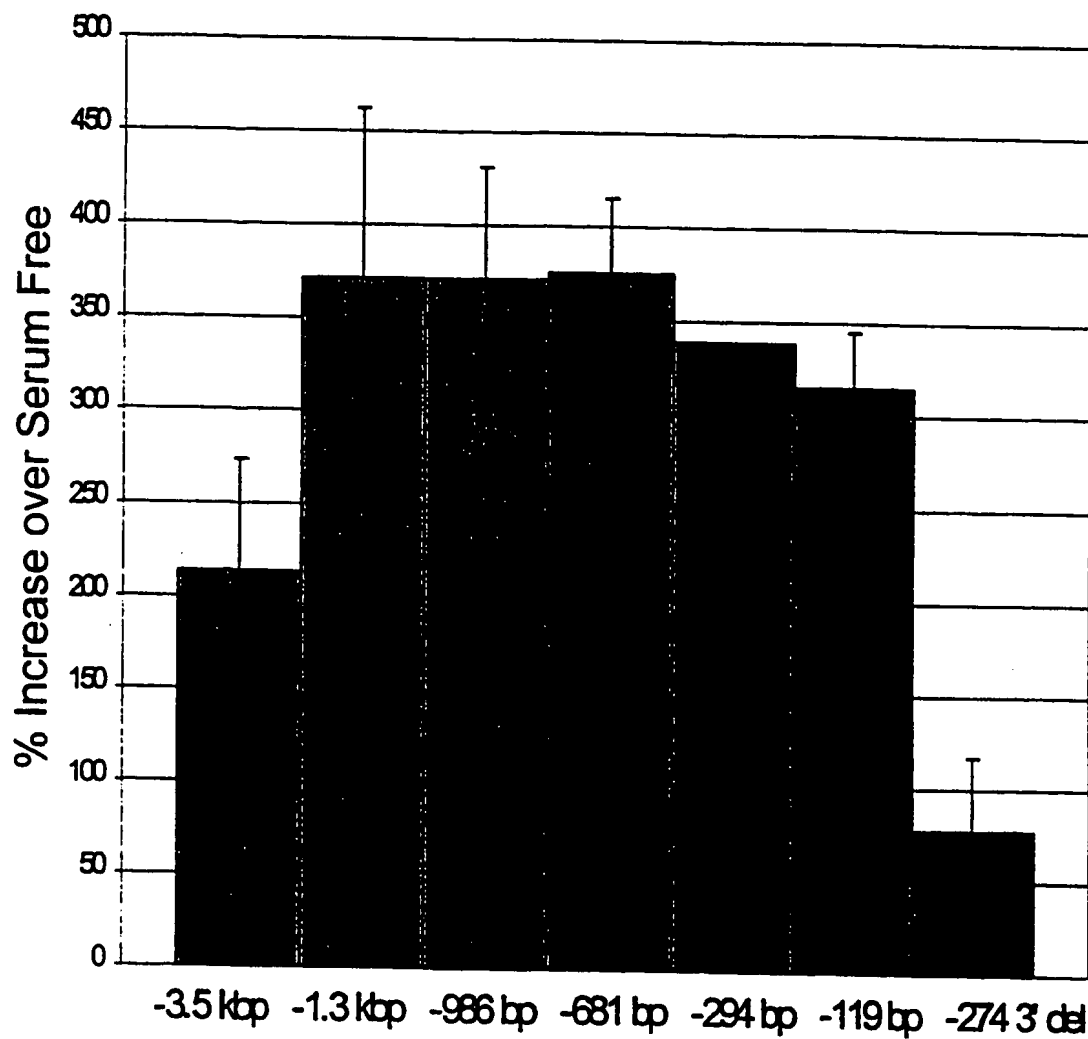
**FIGURE 14**



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**FIGURE 15**

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**FIGURE 16**

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**FIGURE 17**

5'-- CCAAGTATAT AATATGGTAT CTTTGGGCA CTGGTATTAC AACTGTTTTT -270  
TAAACAAAAG ACTTTCCTTG TGCTTTACTA AAAACCCAGA CGGTGAATCT -220  
TGAATACAAT GCGTGGCACC CACGGCAGGC ATTCTATTGT GCATAGTTTT -170  
GACTGACAGG AGATGACAGC ATTTGGCTGC GTGCGCTTGC TGAGGACCCT -120  
CTCCTCCTGT GTGGCGTCTG AGACTGTGAT GCAAATGCGC CCGCCCTTTT -70  
CTGGGAACTC AGAANGCCTG AGTCAGGCGG CGGTGGCTAT TAAAGCGCCT -20  
GGTCAGGCTG GGCTGCCGCA CTCCAAGG--3'

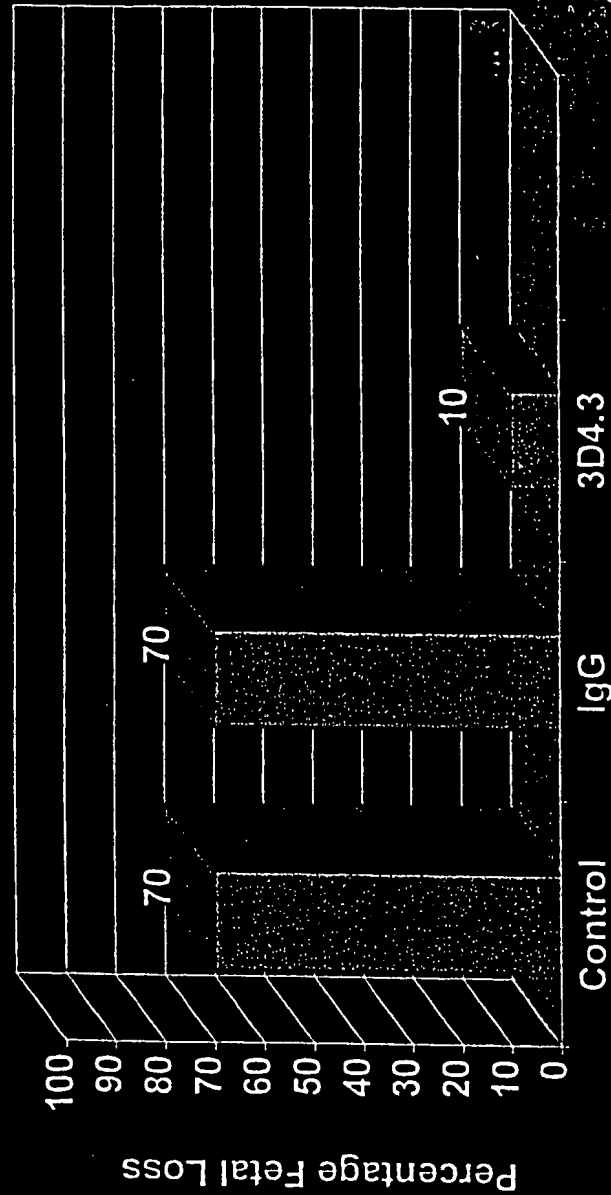
↓  
+1

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**FIGURE 18**

# Prevention of Fetal Loss by Monoclonal Antibody 3D4.3



Antibody (10  $\mu$ g/day I.V. given for 14 days)

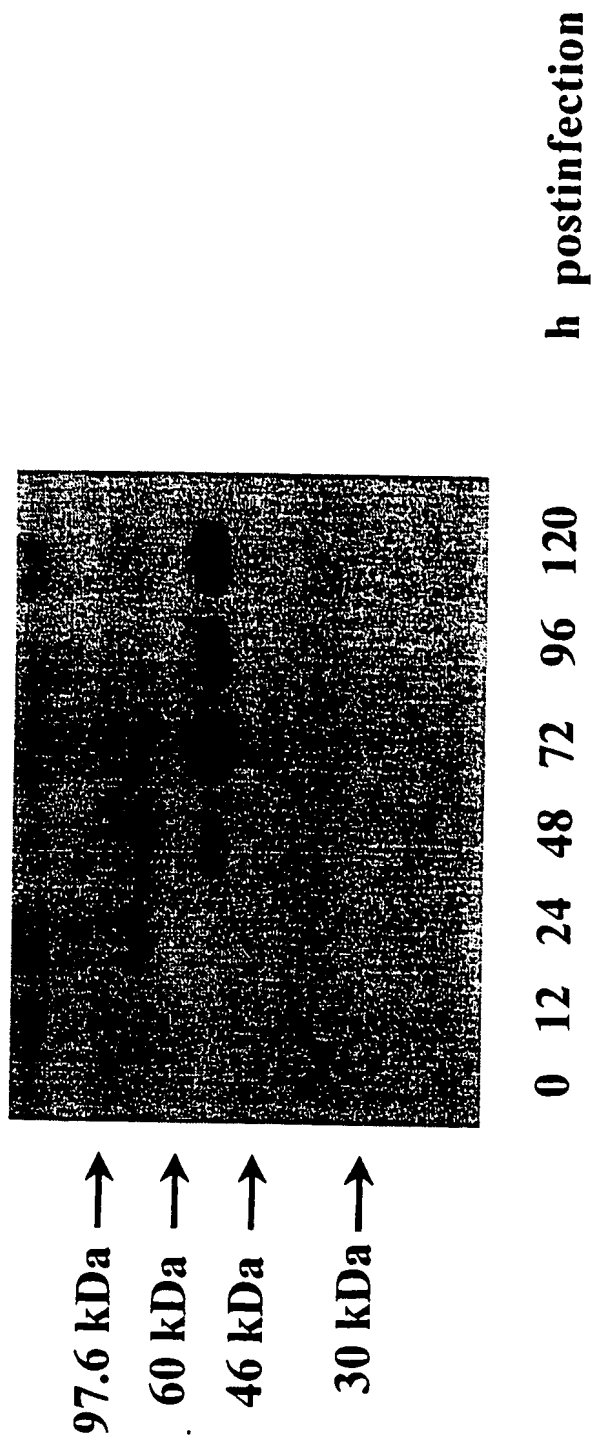


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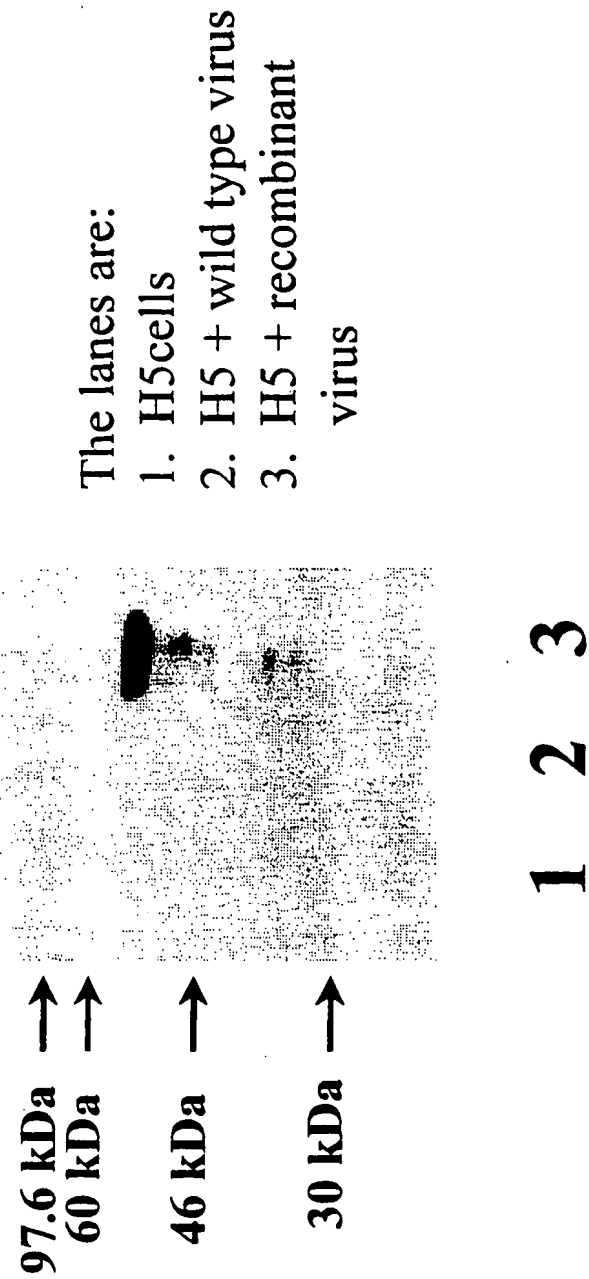
FIGURE 19



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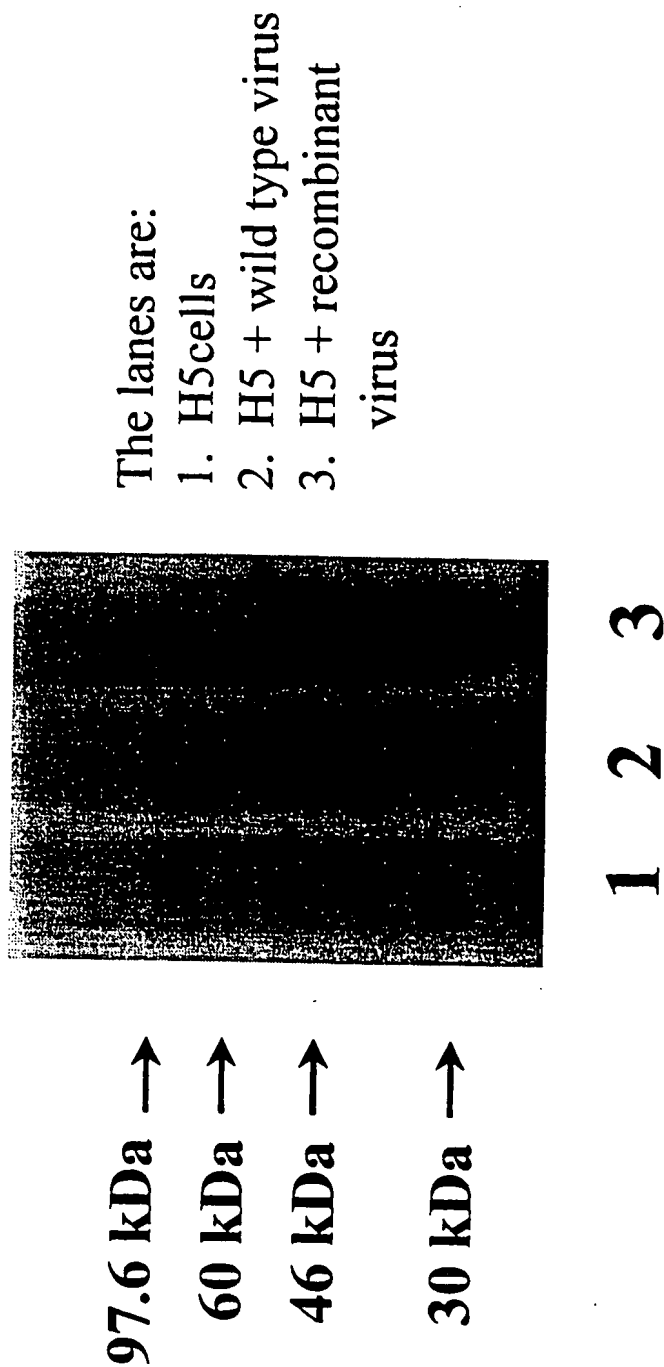
**FIGURE 20**



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**FIGURE 21**



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**FIGURE 22**

